



Substitute for form 1449A/PTC

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Substitute for form 1449A/PTC

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Complete if Known	
Application Number	10/632,117
Filing Date	July 31, 2003
First Named Inventor	Hilda E. Smith
Group Art Unit	1645
Examiner Name	J. Hines
Attorney Docket Number	2183-6055US

## U.S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

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Examiner Signature	/Jana Hines/	Date Considered	12/18/2010
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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First Named Inventor	Hilda E. Smith
Group Art Unit	1645
Examiner Name	J. Hines
Attorney Docket Number	2183-60551JS

**NON PATENT LITERATURE DOCUMENTS**

Examiner initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/J.H./		BAUMS et al., Clinical and Vaccine Immunology, Feb. 2009, pp. 200-208, Vol. 16, No. 2.	
		CHOTHIA et al., The Embo Journal, 1986, pp. 823-26, Vol. 5, No. 4.	
		DATABASE EMBL 'Online' McNab, S. gordonii partial aldB gene, cshA gene & fopA gene, Database accession No. X65164, XP002213089.	
		DEVRIESE et al., Avian Pathology, 1994, pp. 721-24, Vol. 23.	
		GREENSPAN et al., Nature Biotechnology, 1999, pp. 936-37, Vol. 7.	
		HAMPSON et al., Journal of Clinical Microbiology, 1993, pp. 2895-2900, Vol. 31, No. 11.	
		Merck Manual On-line Streptococcal Disease (pages 1-6), retrieved from web on 11-16-2009.	
		Merriam-Webster Online Dictionary, (visited 6/7/2004) <a href="http://www.m-w.com/cgi-bin/dictionary?book=Dictionary&amp;va=vaccine&amp;x=19&amp;y=12">http://www.m-w.com/cgi-bin/dictionary?book=Dictionary&amp;va=vaccine&amp;x=19&amp;y=12</a> .	
		MIKAYAMA et al., Nov. 1993, Proc. Natl. Acad. Sci., USA., pp. 10056-60, Vol. 90.	
		PCT International Preliminary Examination Report, PCT/NL99/00460, dated October 27, 2000.	
		PCT International Search Report, PCT/NL99/00460, dated April 5, 2000, 6 pages.	
		RUDINGER et al., Characteristics of the amino acids as components of a peptide hormone sequence. Peptide hormones. Biol. Council, June 1976, pp. 1-7.	
		SMITH et al., submitted Sept. 10, 2000, Genbank Accession No. AF306940.	
		WISSELINK et al., Assessment of protective efficacy of live and killed vaccines based on a non-encapsulated mutant of Streptococcus suis serotype 2. Veterinary Microbiology, 2002, pp. 155-68, Vol. 84.	
		ZHANG et al., Identification and characterization of an antigen I/II family protein produced by group A streptococcus, Infection and Immunity, July 2006, pp. 4200-13, Vol. 74, No. 7.	

Examiner Signature	Jana Hines/	Date Considered	12/18/2010
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Examiner Name	J. Hines
Attorney, Dealer or Number	2192 FOSSILS

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